

Section	1	2	3	4	5
Length (ft)	19.50	0.50	45.00	20.00	6.7
Number of Sides	1	1	18	18	18
Thickness (in)	0.3220	0.3220	0.1875	0.2500	0.2500
Socket Length (ft)			6.00		
Top Dia (in)	8.6250	8.6250	36.0000	41.8772	41.8772
Bot Dia (in)	8.6250	36.0000	43.1900	45.0000	45.0000
Grade			A572-50	A572-65	
Weight (K)	0.6	0.0	3.7	2.4	0.6

80.0 ft

60.5 ft

14.0 ft

0.0 ft

DESIGNED APPURTENANCE LOADING

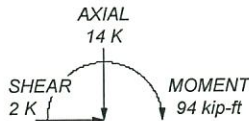
TYPE	ELEVATION	TYPE	ELEVATION
36" x 10' Canister	80 - 70	(2) AIR32	64
(2) AIR32	76	(2) AIR32	64
(2) AIR32	76	(2) AIR32	64
(2) AIR32	76	(2) TWIN TMA E15Z01P13	64
(2) TWIN TMA E15Z01P13	76	(2) TWIN TMA E15Z01P13	64
(2) TWIN TMA E15Z01P13	76	(2) TWIN TMA E15Z01P13	64
(2) TWIN TMA E15Z01P13	76	(2) Security Light	30
36" x 10' Canister	70 - 60		

MATERIAL STRENGTH

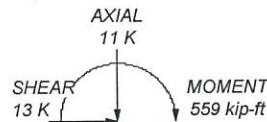
GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A572-65	65 ksi	80 ksi

TOWER DESIGN NOTES

1. Tower is located in Cache County, Utah.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 120 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 50 mph basic wind with 0.25 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Weld together tower sections have slip joint connections.
9. Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications.
10. Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
11. Welds are fabricated with ER-70S-6 electrodes.
12. TOWER RATING: 67.3%

ALL REACTIONS
ARE FACTORED

50 mph WIND - 0.2500 in ICE



REACTIONS - 120 mph WIND

Ehresmann Engineering Inc.

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Yankton, SD 57078
Phone: (605) 665-7532
FAX: (605) 665-9780

Job: SL016744 HYDE PARK, UT

95030-15

Project: 80 FT CANISTER POLE

Client: T-MOBILE

Drawn by: CD

App'd:

Code: TIA-222-G

Date: 09/09/15

Scale: NTS

Path:

Dwg No. E-1

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